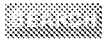



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- [1 Audio watermark attacks: from single to profile attacks](#)
[Andreas Lang, Jana Dittmann, Ryan Spring, Claus Viehauer](#)
 August 2005 MM&Sec '05: Proceedings of the 7th workshop on Multimedia
 Publisher: ACM

 Full text available: ☒ Pdf (224.98 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 86, Citation

A wide range of watermarking evaluation approaches and especially im suites have been described in the literature. Our paper sets the main fo evaluation of digital audio watermarking with StirMark Benchmark for A

Keywords: attack, audio, digital watermarking, smba, stirmark

- [2 Informed detection of audio watermark for resolving playback speed](#)
[Sylvain Beauget, Michiel van der Veen, Aweke Lemma](#)
 September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multir
 Publisher: ACM

 Full text available: ☒ Pdf (388.24 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 42, Citation (

In this paper, we present a method for informed watermark detection in this context, informed detection refers to the mechanism in which the o signal is used to improve robustness and/or complexity. Here, we focus

Keywords: audio, fingerprinting, informed detector, music distribution,

- [3 Nearly Lossless Audio Watermark Embedding Techniques to be Exti Contactlessly by Cell Phone](#)
[Toshio Modegi](#)

May 2006 MDM '06: Proceedings of the 7th International Conference Management (MDM'06) - Volume 00 , Volume 00

Publisher: IEEE Computer Society

 Full text available: ☒ [Publisher Site](#) Additional Information: [full citation](#), [abstract](#), [index](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

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We have proposed a novel audio watermarking technique, which embed bitstream data by changing two-channel stereo locations of lower frequency in an embedding target audio signal. This method features nearly lossless robustness ...

4 [Statistical audio watermarking algorithm based on perceptual analysis](#)

 [Xiaomei Quan, Hongbin Zhang](#)

November 2005 DRM '05: Proceedings of the 5th ACM workshop on Digital management

Publisher: ACM


Full text available:  [Pdf](#) (261.76 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 71, Citation

In this paper, we describe a novel statistical audio watermarking scheme. Control of the masking thresholds, watermark is embedded adaptively in the perceptual significant portions in wavelet packet domain by a statistical

Keywords: audio watermarking, psychoacoustic model, wavelet packet

5 [Improved watermark detection for spread-spectrum based watermarking using independent component analysis](#)

 [Hafiz Malik, Ashfaq Khokhar, Rashid Ansari](#)

November 2005 DRM '05: Proceedings of the 5th ACM workshop on Digital management

Publisher: ACM


Full text available:  [Pdf](#) (434.70 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 93, Citation

This paper presents an efficient blind watermark detection/decoding scheme for spread spectrum (SS) based watermarking, exploiting the fact that in SS-based schemes the embedded watermark and the host signal are mutually independent and obey ...

Keywords: blind source separation, correlation, detection, independent analysis, spread spectrum, watermarking

6 [Digital watermarking security considerations](#)

 [Rade Petrovic, Babak Tehranchi, Joseph M. Winograd](#)

September 2006 MM&Sec '06: Proceedings of the 8th workshop on Multimedia Security

Publisher: ACM

Full text available:  [Pdf](#) (253.62 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)


Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 160, Citation

In this paper, we review our past experience with security of copy control watermarks, particularly related to SDMI. We also classify and analyze security issues in literature and propose a number of security enhancement techniques for copy control ...

Keywords: SDMI, copy control, digital rights management, digital watermarking

watermark attacks

7 [Estimation of recording location using audio watermarking](#)

 [Yuia Nakashima, Ryuki Tachibana, Masafumi Nishimura, Noboru Babaguchi](#)
September 2006 MM&Sec '06: Proceedings of the 8th workshop on Multimedia
Publisher: ACM


Full text available:  [Pdf](#) (209.98 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 41, Citation (

In this paper, we propose a novel application of audio watermarking, es recording location. The purpose of the paper is to determine the seat lo at which a bootleg recording was made by using a digital video camera.

Keyw ords: bootleg, digital audio watermarking, estimation, recording l

8 [PlataJanus: an audio annotation watermarking framework](#)

 [Jana Dittmann, Martin Steinebach](#)
October 2001 MM&Sec '01: Proceedings of the 2001 workshop on Multimedia new challenges
Publisher: ACM


Full text available:  [Pdf](#) (545.27 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 22, Citation (

The focus of audio watermarking research in recent years have been co and copy control mechanisms. Therefore the robustness and security of watermarks have been the most frequently discussed parameters. Tran and ...

Keyw ords: annotation, audio watermarking, business models, framew

9 [Digital audio watermarking based-on multiple-bit hopping and human system](#)

 [Changsheng Xu, Yongwei Zhu, David Dagan Feng](#)
October 2001 MULTIMEDIA '01: Proceedings of the ninth ACM international Multimedia
Publisher: ACM


Full text available:  [Pdf](#) (613.16 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 58, Citation (

A novel content-adaptive audio watermarking technique is proposed. To balance in-audibility and robustness when embedding and extracting wa embedding scheme is high related to audio content by making use of th human ...

Keyw ords: audio, digital watermarking, human auditory system

10 [A novel watermarking method based on Fibonacci numbers](#)

 [Jiancheng Zou, Dongxu Qi, Rabab K. Ward](#)

June 2006 VRCIA '06: Proceedings of the 2006 ACM international conference on reality continuum and its applications

Publisher: ACM


Full text available:  Pdf (125.56 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 40, Citation (

A digital image scrambling method based on the Fibonacci numbers is proposed [J. et al. 2004]. A novel audio watermarking method based on Fibonacci numbers is presented in this paper. The experiment results show that the algorithm has better

Keywords: fibonacci numbers, watermarking

11 Why watermark?: the copyright need for an engineering solution

 Michael Seadle, J. R. Deller, Jr., Aparna Gurijala

July 2002 JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference on digital libraries

Publisher: ACM


Full text available:  Pdf (142.88 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 35, Citation (

An important research component in the creation of the National Gallery Word (NGSW) is the development of watermarking technologies for the document. In this paper we argue that audio watermarking is a particularly desirable

Keywords: DMCA, copyright, watermarking

12 Wavelet-based blind watermarking of 3D models

 E. Uocheddu, M. Corsini, M. Barni

September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multimedia security

Publisher: ACM


Full text available:  Pdf (462.47 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 147, Citation (

Watermarking of 3D meshes has received a limited attention due to the difficulties encountered in extending the algorithms developed for 1D (audio) and 2D (video) signals to topological complex objects such as meshes. Other difficulties

Keywords: 3D watermarking, 3D wavelets, blind detection, copyright protection, watermarking

13 Light weight MP3 watermarking method for mobile terminals

 Koichi Takagi, Shigeyuki Sakazawa

November 2005 MULTIMEDIA '05: Proceedings of the 13th annual ACM international conference on Multimedia

Publisher: ACM

Full text available:  Pdf (117.39 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 53, Citation (

This paper proposes an MP3 watermarking method that is applicable to with limited computational resources. Considering that the embedded in copyright information and metadata, which should be extracted before p

Keywords: MP3, mobile terminal, scalefactor, watermarking

14 [Proxy-based task partitioning of watermarking algorithms for reducing consumption in mobile devices](#)



Arun Kejariwal, Sumit Gupta, Alexandru Nicolau, Nikil Dutt, Rajesh Gupta
June 2004 DAC '04: Proceedings of the 41st annual conference on Design & Automation
Publisher: ACM

Full text available: Pdf (494.20 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 69, Citation (

Digital watermarking is a process that embeds an imperceptible signature in a digital file containing audio, image, text or video data. The watermark authenticate the data file and for tamper detection. It is particularly ...

Keywords: handhelds, partitioning, proxy, watermarking

15 [Robust DWT-SVD domain image watermarking: embedding data in](#)



Emir Ganic, Ahmet M. Eskicioglu
September 2004 MM&Sec '04: Proceedings of the 2004 workshop on Multimedia Security
Publisher: ACM

Full text available: Pdf (4.84 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 185, Citation (

Protection of digital multimedia content has become an increasingly important concern for content owners and service providers. As watermarking is identified as a key technology to achieve copyright protection, the relevant literature includes

Keywords: copyright protection, discrete wavelet transform, image watermarking, multimedia, singular value decomposition, visual watermark

16 [A multiple watermarking algorithm based on CDMA technique](#)



Fuhao Zou, Zhengding Lu, Hafei Ling
October 2004 MULTIMEDIA '04: Proceedings of the 12th annual ACM international conference on Multimedia
Publisher: ACM

Full text available: Pdf (235.47 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 53, Citation (

This paper proposes a multiple watermarking algorithm based on code division multiple access (CDMA) technique. Before the watermark embedded, each user is assigned a unique key as a seed to generate an address code which is subjected to pseudorandom

Keywords: address code, code division multiple access, correlation coefficient

watermarking

17 [An improving model watermarking with iris biometric code](#)

George Varbanov, Peter Blagoev

June 2007 CompSysTech '07: Proceedings of the 2007 international conference on Computer systems and technologies

Publisher: ACM

Full text available: Pdf (565.54 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 109, Citation

The Paper justifies need to work with new technology for perfect safety the human deal (the business). The Problem same important with new internet, all multimedia author's system, video watch of the system, au

Keywords: biometric system, biometric watermark, iris code, video-watermark with discrete wavelet transformation I

18 [Extraction in software watermarking](#)

William Zhu, Clark Thomborson

September 2006 MM&Sec '06: Proceedings of the 8th workshop on Multimedia Security

Publisher: ACM

Full text available: Pdf (164.79 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 100, Citation

The widespread use of the Internet makes software piracy and unauthorized use easier and more frequent. Among the many techniques developed for protecting copyrights is software watermarking which embeds secret messages into

Keywords: embed, extract, graph, interference graph, security, software

19 [Robust content-based MPEG-4 XMT scene structure authentication and content location](#)

Ziad Sakr, Nicolas D. Georganas

August 2007 Transactions on Multimedia Computing, Communication, and Applications (TOMCCAP), Volume 3 Issue 3

Publisher: ACM

Full text available: Pdf (594.67 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 116, Citation

For the past decade, there have been numerous research works focusing on the protection of digital images, audio, video, 3D virtual scenes, and software from unauthorized use and distribution. With the emerging technology of the MPEG-4 standard, ...

Keywords: MPEG-4, Multimedia, VRML, XML, XMT, polynomial, pseudo-random sequences, steganography, watermarking

20 [HOT PAPER: multimedia interaction with paper using mobile phones](#)



[Berna Erol, Emilio Antúñez, Jonathan J. Hull](#)

October 2008 MM '08: Proceeding of the 16th ACM international conference

Publisher: ACM

Full text available: [Pdf](#) (2.23 MB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 36, Downloads (12 Months): 70, Citation

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